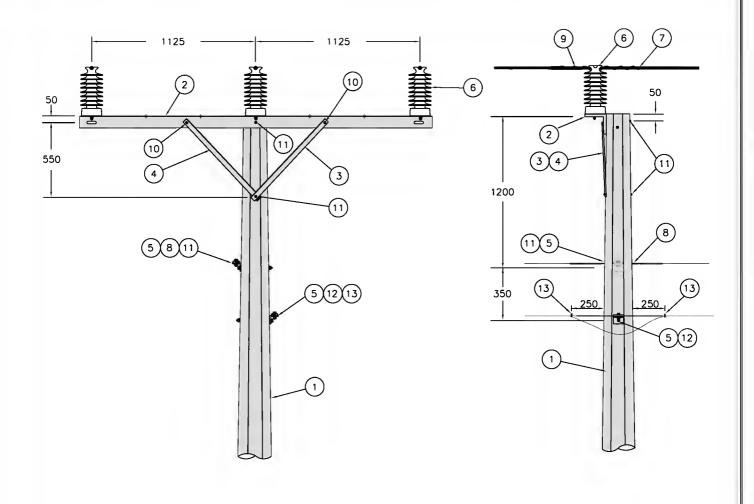
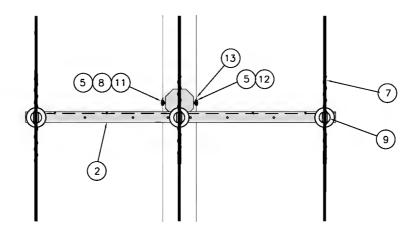


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	SDCS-01
Dated:	07-03-2007G





DRW.10-01 OC13S, 13M, COMPOSITE, S.C. INTERMEDIATE STRUCTURE, 0°-5°



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO. BILL OF MATERIALS DESCRIPTION REFE			REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	2	Cable Tie	20-SDMS-02	Fig. 63
14	1	Danger Sign Plate	20-SDMS-02	Fig.49
15	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig.50
16	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
17	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
18	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
19	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
20	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
	-			
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-01A OC13S, 13M, COMPOSITE S.C. INTERMEDIATE STRUCTURE, 0°-5°



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	2	Cable Tie	20-SDMS-02	Fig. 63
14	1	Danger Sign Plate	20-SDMS-02	Fig.49
15	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig.50
16	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
17	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
18	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
19	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
20	1	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

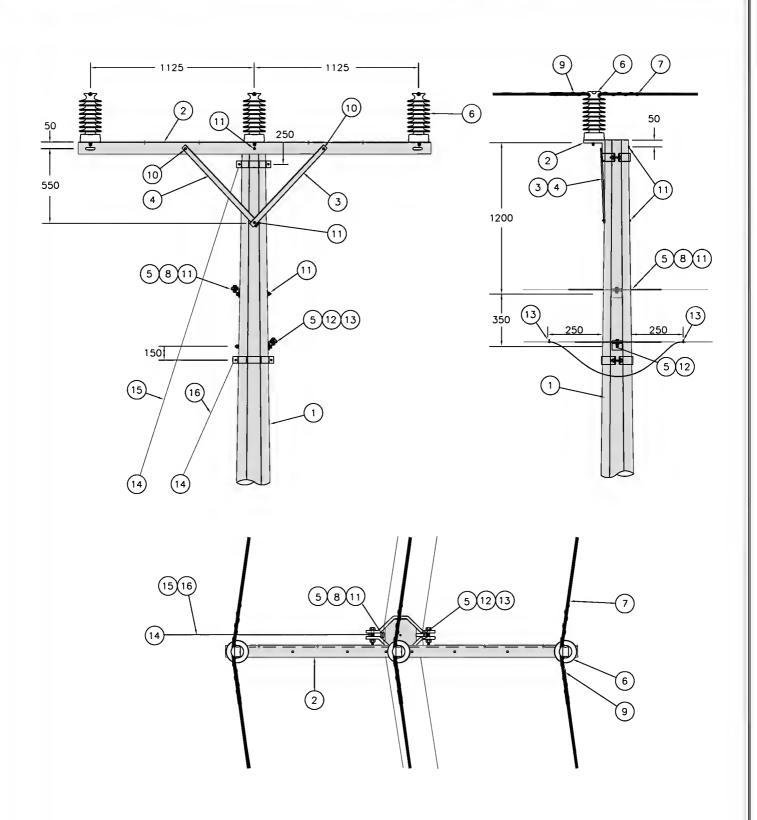
DRW.10-01B OC13S, 13M, COMPOSITE S.C. INTERMEDIATE STRUCTURE, 0°-5°



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	SDCS-01
Dated:	07-03-2007G



DRW.10-02 OC13S, 13M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE 6°-15° W/M.V & L.V STAYS



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	2	Cable Tie	20-SDMS-02	Fig. 63
14	1 Set	Composite One Stay Assembly with 16 & 19 mm Dia Turn Buckle	20-SDMS-02	Drw. 303
15	15M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
		Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
17	1	Danger Sign Plate	20-SDMS-02	Fig. 49
18	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
19	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
20	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
21	1	Pole Numbering Plates	20-SDMS-02	Fig. 51
22	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
23	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-02A OC13S, 13M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE, 6°-15°



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

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Dated:

07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	REFERENCES	
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4	
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
13	2	Cable Tie	20-SDMS-02	Fig. 63	
14	1 Set	Composite One Stay Assembly with 16 & 19 mm Dia Turn Buckle	20-SDMS-02	Drw. 30	
15	15M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)			
16	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)			
17	1	Danger Sign Plate	20-SDMS-02	Fig. 49	
18	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50	
19	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
20	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 134	
21	1	Pole Numbering Plates	20-SDMS-02	Fig. 51	
22	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
23	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
	9				
	•	67.44mm2 ACSR/AW, QUAIL			

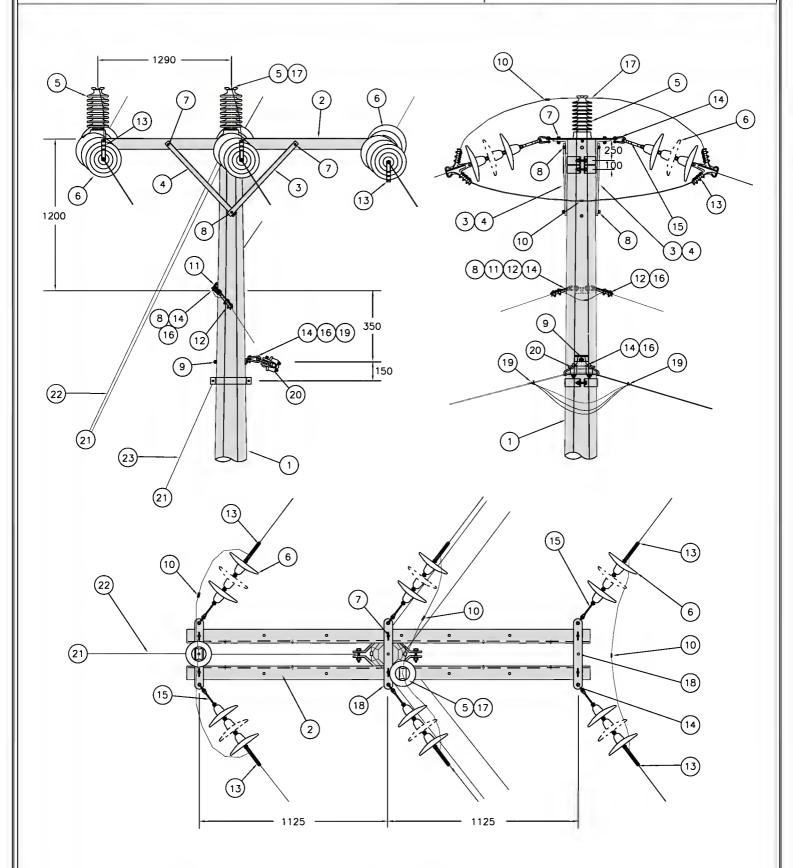
DRW.10-02B OC13S, 13M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE, 6°-15°



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DRW.10-03 OC13S, 13M, COMPOSITE, SINGLE CIRCUIT MEDIUM ANGLE STRUCTURE, 16°-60° W/M.V & L.V STAYS



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SDCS-01

07-03-2007G

	Dated. 07-03-2007G			
SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	9	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Cable Tie	20-SDMS-02	Fig. 63
20	1	Suspension Clamp for Quadruplex Messenger	20-SDMS-02	Fig. 31
21	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
22	30M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
23	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
24	1	Danger Sign Plate	20-SDMS-02	Fig. 49
25	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
26	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
27	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
28	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
30	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-03A OC13S,13M, COMPOSITE, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE,16°-60° W/M.V & L.V STAYS



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SDCS-01

07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	01 1 OC13S - 13 Meter Steel Pole, HDG, Single Circuit		20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	9	Anchar Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support		Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Cable Tie	20-SDMS-02	Fig. 63
20	1	Suspension Clamp for Quadruplex Messenger	20-SDMS-02	Fig. 31
21	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
22	30М	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
23	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
24	1	Danger Sign Plate	20-SDMS-02	Fig. 49
25	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
26	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
27	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
28	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
30	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

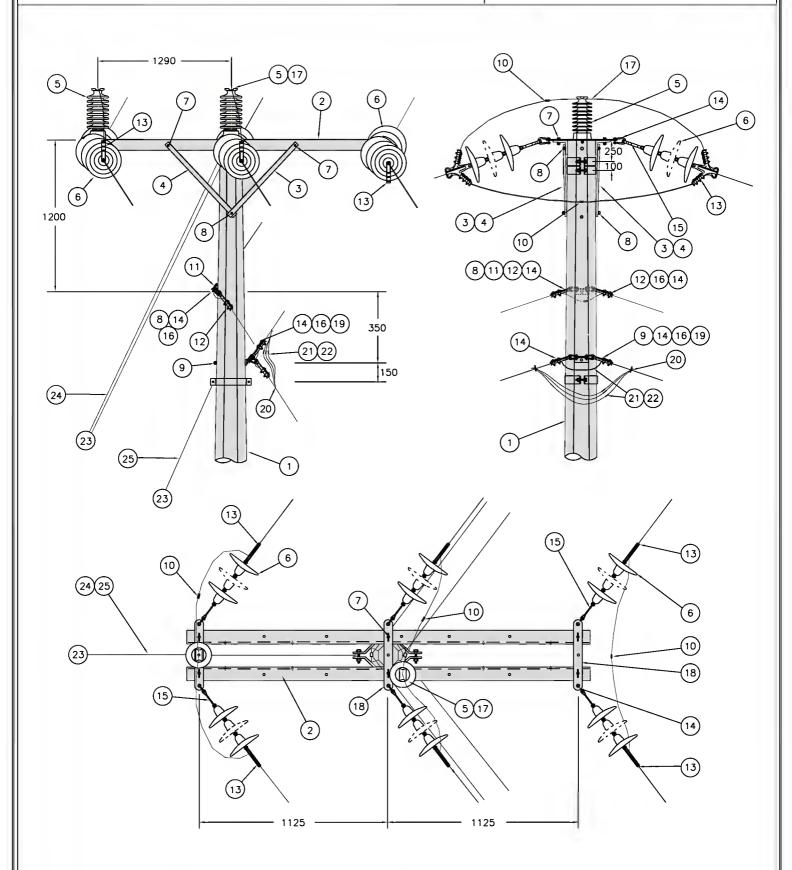
DRW.10-03B OC13S,13M, COMPOSITE, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE,16°-60° W/M.V & L.V STAYS



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	SDCS-01
Dated:	07-03-2007G



DRW.10-04 OC13S, 13M, COMPOSITE, SINGLE CIRCUIT HEAVY ANGLE STRUCTURE, 61°-90° W/M.V & L.V STAYS



Dated:

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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex Messenger	20-SDMS-02	Fig. 30
20	2	Cable Tie	20-SDMS-02	Fig. 63
21	4	Parallel Groove Comp. Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
22	3	Insulating cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
23	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
24	30M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
25	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
26	1	Danger Sign Plate	20-SDMS-02	Fig. 49
27	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
28	1,4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
29	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
				, ,
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-04A OC13S,13M, COMPOSITE, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° W/TWO STAYS



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SDCS-01

Dated:	07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Poge 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	09 1 Machine Bolt, M20x265mm W/1 Nut, 2 Flot Washers & 1 Spring Washer		20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	11 1 Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)		20-SDMS-02	Fig. 39
12	12 2 Strain Clamp, Straight Line Deadend Type for Quail		20-SDMS-02	Fig. 30
13			20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex Messenger	20-SDMS-02	Fig. 30
20	2	Cable Tie	20-SDMS-02	Fig. 63
21	4	Parallel Groove Comp. Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
22	3	Insulating cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
23	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
24	30М	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
25	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
26	1	Danger Sign Plate	20-SDMS-02	Fig. 49
27	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
28	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
29	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL	·	

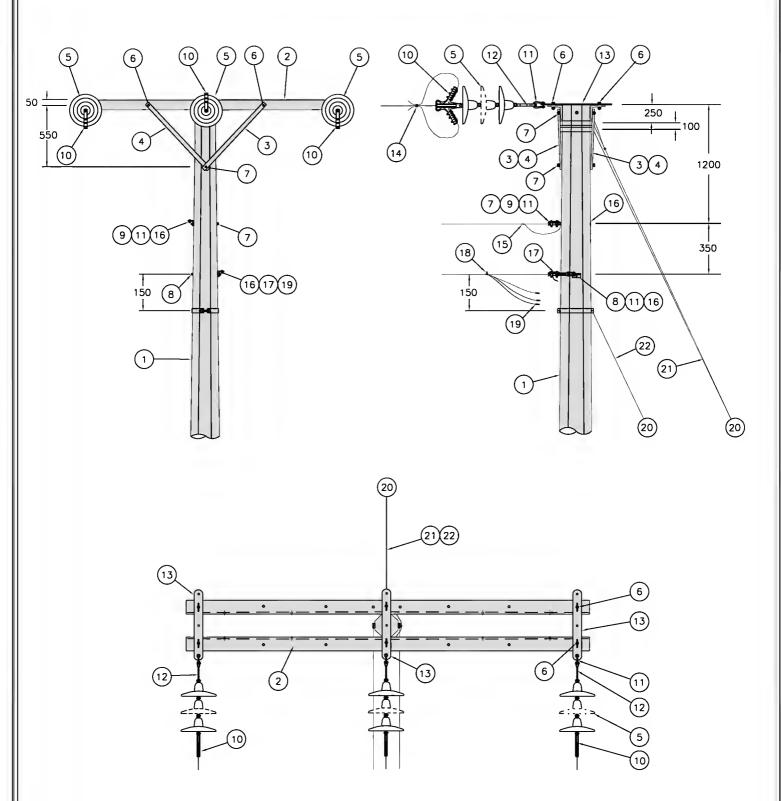
DRW.10-04B OC13S,13M, COMPOSITE, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° W/TWO STAYS



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DRW.10-05 OC13S, 13M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Poge 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Page 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15
07	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
10	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
11	5	Anchor Shackle	20-SDMS-02	Fig. 20
12	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig. 39
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
18	1	Cable Tie	20-SDMS-02	Fig. 63
19	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
20	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
21	30м	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
22	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
23	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
24	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
25	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
26	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
27	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-05A OC13S, 13M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO BILL OF MATERIALS DESCRIPTION REFERENCES				NCES
NO. 01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3 Set	Suspension Insulator	15-SDMS-01	Poge 23
06	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer	20-SDMS-02	Fig. 15
07	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
10	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
11	5	Anchor Shackle	20-SDMS-02	Fig. 20
12	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
18	1	Cable Tie	20-SDMS-02	Fig. 63
19	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
20	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
21	30M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
22	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
23	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
24	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
25	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
26	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
27	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		- 9		
			<u></u>	
	<u>a</u>	67.44mm2 ACSR/AW, QUAIL		

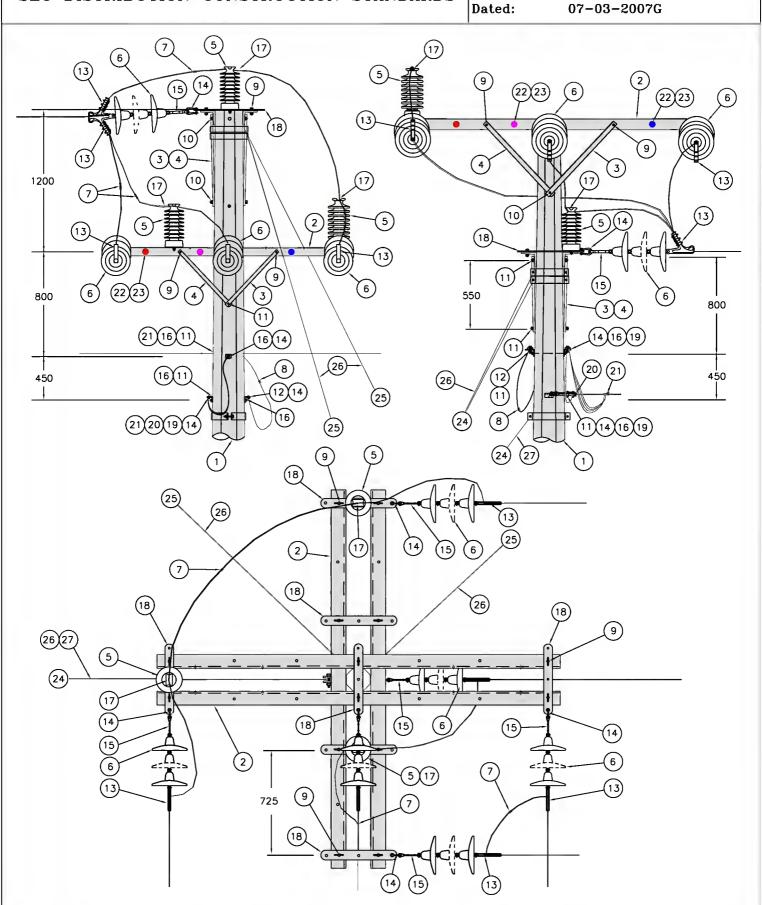
DRW.10-05B OC13S, 13M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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DRW.10-06 OC13S, 13M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	4	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
20	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
21	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap-Off	20-SDMS-02	Drw. 304
25	2 Set	M.V — S.C One Stay Assembly	20-SDMS-02	Drw. 305
26	56M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
27	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
20	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
29	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
33	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
34	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
				, -
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-06A OC13S, 13M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREI	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	4	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
20	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
21	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap-Off	20-SDMS-02	Drw. 304
25	2 Set	M.V — S.C One Stay Assembly	20-SDMS-02	Drw. 305
26	56M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
27	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
28	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
29	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
33	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
34	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-06B OC13S, 13M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS

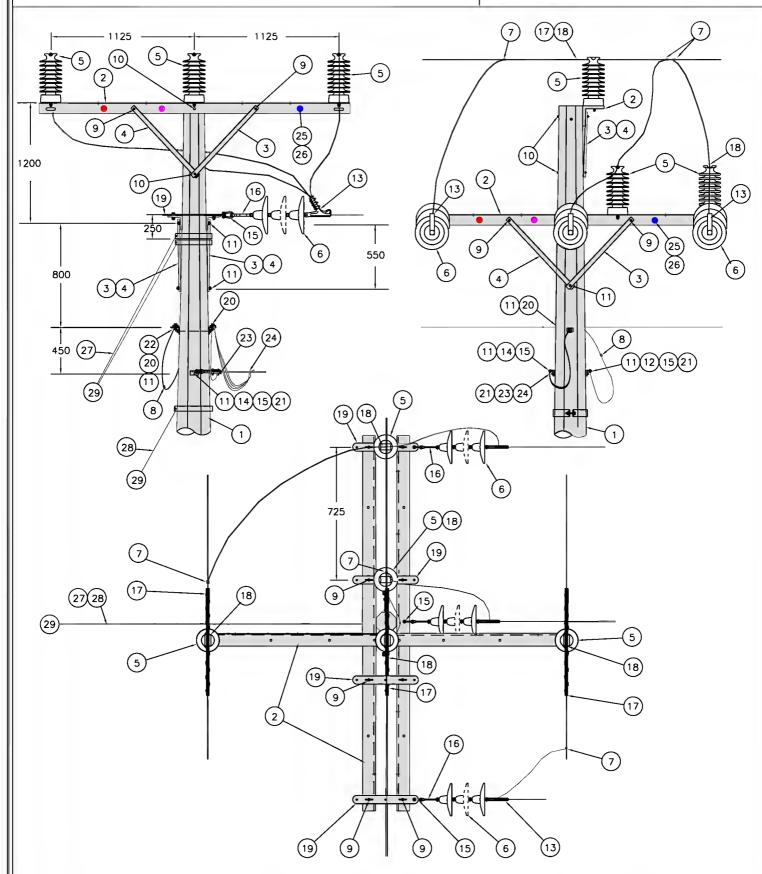


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Dated: 07-03-2007G



DRW.10-07 OC13S,13M, S.C COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Broce - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phosing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap-Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ASCR/AW, MERLIN		

DRW.10-07A OC13S, 13M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap—Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-07B OC13S,13M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phosing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	26M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap-Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51

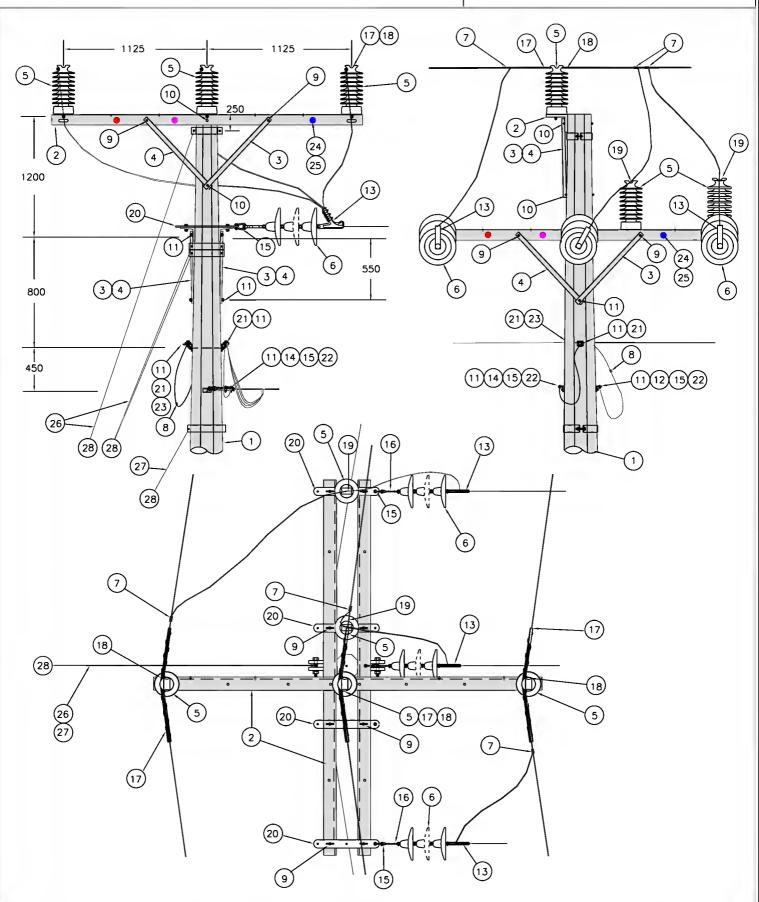
DRW.10-07C OC13S, 13M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



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DRW.10-08 OC13S,13M S.C COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flot Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16,19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		-

DRW.10-08A OC13S, 13M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100×100×12×2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Stroin Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16, 19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		-

DRW.10-08B OC13S, 13M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	41M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16,19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-08C OC13S, 13M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

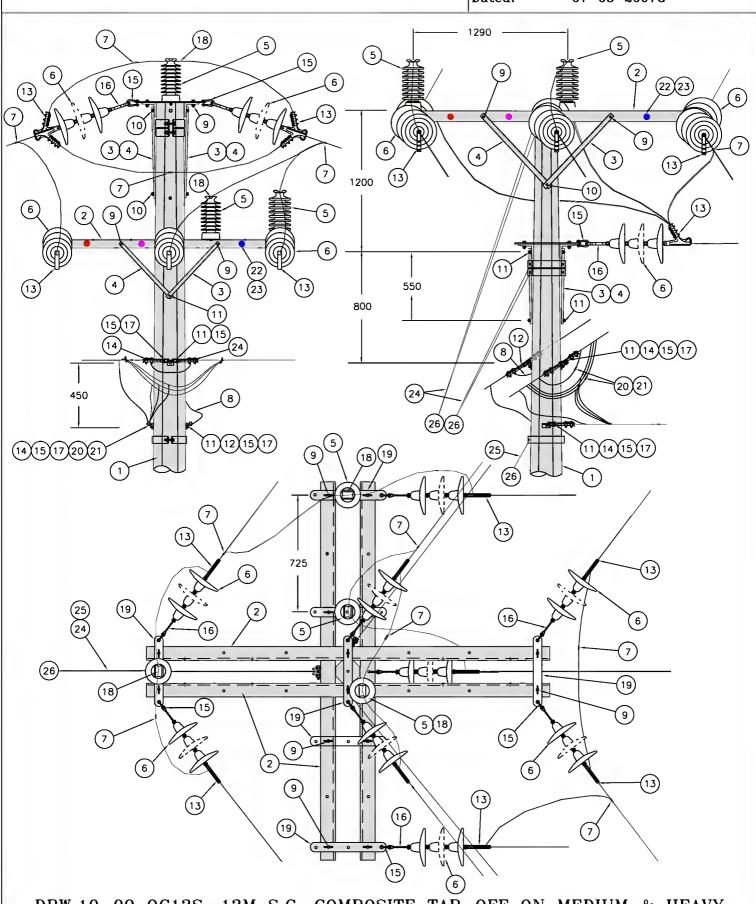


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DRW.10-09 OC13S, 13M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



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SERIAL NO.	QTY BILL OF MATERIALS DESCRIPTION REFERENCES			ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	2D-SDMS-01	Page 35
02	4	Crossorm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	4	Broce - L 50x50x4x828mm L.G.	2D-SDMS-02	Fig. 04
04	4	Broce - L 50x50x4x828mm L.G. With One End Clipped	20-S0MS-02	Fig. 04
05	4	Line Post Insulotor	15-S0MS-01	Clause 4.2
06	9 Set	Suspension Insulotor	15-S0MS-01	Page 23
07	6	Porollel Groove Compression Connector for Merlin-Merlin	20-S0MS-02	Fig. 39
08	2	Porollel Groove Compression Connector for Quoil	20-SDMS-02	Fig. 39
09	22	Mochine Bolt, M20x60mm With Nut, 2 Flot Wosher & 1 Spring Wosher	20-S0MS-02	Fig. 15
10	2	Mochine Bolt, M20x225mm With Nut, 2 Flot Wosher & 1 Spring Wosher	20-S0MS-02	Fig. 15
11	4	Mochine Bolt, M20x265mm With Nut, 2 Flot Wosher & 1 Spring Wosher	2D-SDMS-D2	Fig. 15
12	3	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
13	9	Stroin Clomp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	3	Stroin Clomp, Stroight Line Deodend Type for Quodruplex	20-S0MS-02	Fig. 30
15	15	Anchor Shockle	20-S0MS-02	Fig. 20
16	9	Clevis Eye Extension	2D-SDMS-D2	Fig. 21
17	4	Eorthwire Suspension Support	20-S0MS-02	Fig. 05
18	4	Preformed Line Post Insulotor Top Tie for Merlin	20-S0MS-02	Fig. 35
19	7	Double Arming Plote, 100x12x700mm	20-S0MS-02	Fig. 07
20	8	Porollel Groove Compression Connector for 120mm2 Quod. Messenger	20-S0MS-02	Fig. 39
21	6	Insuloting Cop for Quodruplex Messenger	20-S0MS-02	Fig. 40
22	2 Set	Phosing Plotes (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phosing Plote Mounting Brocket	20-S0MS-02	Fig. 54
24	56M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
25	12M	Stoy Wire 7/3.25, 9.8mm Dio. HDG Steel, UTS 65kN (Min)		
26	1 Set	Composite Three Stoy Assembly with 16&24 Turn Buckle	20-SDMS-02	Orw. 304
27	1 Set	Donger Sign Plote	20-S0MS-02	Fig. 49
28	1	Donger Sign Mounting Brocket	20-S0MS-02	Fig. 50
29	10М	Anti-Climbing Device, Barbed Wire	20-S0MS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stoinless Steel Strop	20-S0MS-02	Fig. 55
32	2	Stainless Steel Buckle Locking Clamp	20-S0MS-02	Fig. 55A
33	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-09A OC13S, 13M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S - 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clouse 4.
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07a	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Parallel Groove Compression Connector for Merlin — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13a	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	3	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	15	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	4	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18a	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	8	Parallel Groove Compression Connector for 120mm² Quad. Messenger	20-SDMS-02	Fig. 39
21	6	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
26	1 Set	Composite Three Stay Assembly with 16&24 Turn Buckle	20-SDMS-02	Drw. 304
27	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
28	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
29	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
32	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
33	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-09B OC13S, 13M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC13S — 13 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clouse 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	3	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	15	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	4	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	8	Parallel Groove Compression Connector for 120mm² Quad. Messenger	20-SDMS-02	Fig. 39
21	6	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	56M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25	12M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
26	1 Set	Composite Three Stay Assembly with 16&24 Turn Buckle	20-SDMS-02	Drw. 304
27	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
28	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
29	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
32	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
33	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

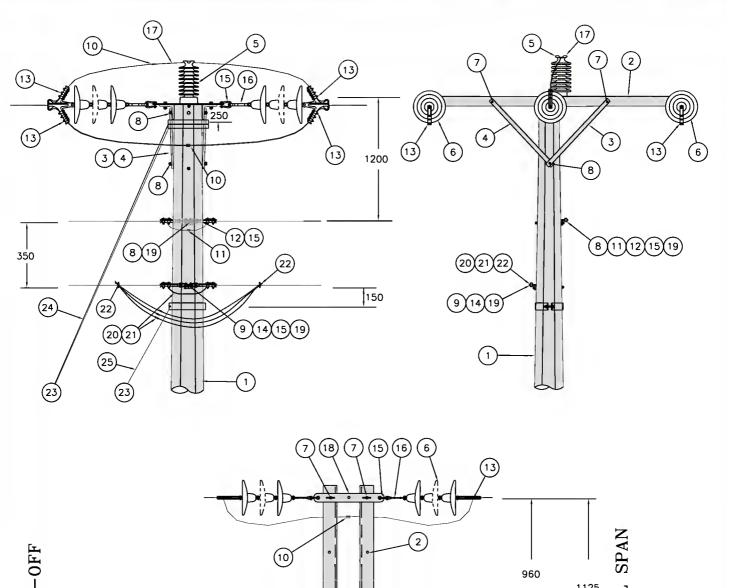
DRW.10-09C OC13S, 13M S.C COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01
Dated: 07-03-2007G



SINGLE CIRCUIT TAP-OFF

DIRECTION

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DRW.10-10 OC13S, 13M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		REFERENCES	
01	1	OC13S — 13 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 35	
02	2	Crassarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	1	Line Post Insulator	15-SDMS-01	Clouse 4.2.	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
80	3	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	1	Machine Balt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	3	Porollel Groove Camp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39	
11	1	Parallel Graave Camp. Cannectar far 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
12	2	Stroin Clomp, Straight Line Deadend Type far Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U—Balts Type far Merlin	20-SDMS-02	Fig. 29	
14	2	Strain Clamp, Straight Line Deadend Type far Quadruplex	20-SDMS-02	Fig. 30	
15	10	Anchar Shackle	20-SDMS-02	Fig. 20	
16	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
17	1	Preformed Line Post Insulotor Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 35	
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07	
19	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05	
20	4	Parallel Graave Campressian Cannectar far 120mm2 Quad. Messenger	20-SDMS-02	Fig. 39	
21	3	Insulating Cap far Quadruplex Messenger	20-SDMS-02	Fig. 40	
22	2	Cable Tie	20-SDMS-02	Fig. 63	
23	1 Set	Campasite Twa Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 301	
24	30М	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)			
25	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)			
26	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49	
27	1	Danger Sign Maunting Bracket	20-SDMS-02	Fig. 50	
28	10M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13	
29	2	Buckle Type, Lacking Clip far Barbed Wire	20-SDMS-02	Fig. 13	
30	1.4M	Stainless Steel Strap	20-S0MS-02	Fig. 55	
31	2	Stoinless Steel Buckle Locking Clomp	20-SDMS-02	Fig. 55A	
32	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
<u> </u>					
		170.5mm2 ACSR/AW, MERLIN			

DRW.10-10A OC13S, 13M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE
WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		NCES
01	1	OC13S — 13 Meter Steel Pale, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	1	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Balt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Balt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Balt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Graave Camp. Cannector for 67.44mm ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	1	Parallel Graave Camp. Cannector far 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Stroin Clamp, 3 U-Balts Type for Quail	20-SDMS-02	Fig. 29
14	2	Strain Clamp, Straight Line Deadend Type far Quadruplex	20-SDMS-02	Fig. 30
15	10	Anchar Shackle	20-SDMS-02	Fig. 20
16	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	1	Preformed Line Post Insulator Top Tie For 67.44mm ACSR/AW (Quail)	20-SDMS-02	Fig. 35
18	3	Dauble Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
19	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
20	4	Parallel Graave Campressian Cannectar for 120mm2 Quad. Messenger	20-SDMS-02	Fig. 39
21	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2	Coble Tie	20-SDMS-02	Fig. 63
23	1 Set	Camposite Twa Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 301
24	30М	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25	13M	Stoy Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
26	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
27	1	Danger Sign Maunting Bracket	20-SDMS-02	Fig. 50
28	10M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Lacking Clip far Barbed Wire	20-SDMS-02	Fig. 13
30	1.4M	Stainless Steel Strap	20-S0MS-02	Fig. 55
31	2	Stoinless Steel Buckle Locking Clomp	20-SDMS-02	Fig. 55A
32	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

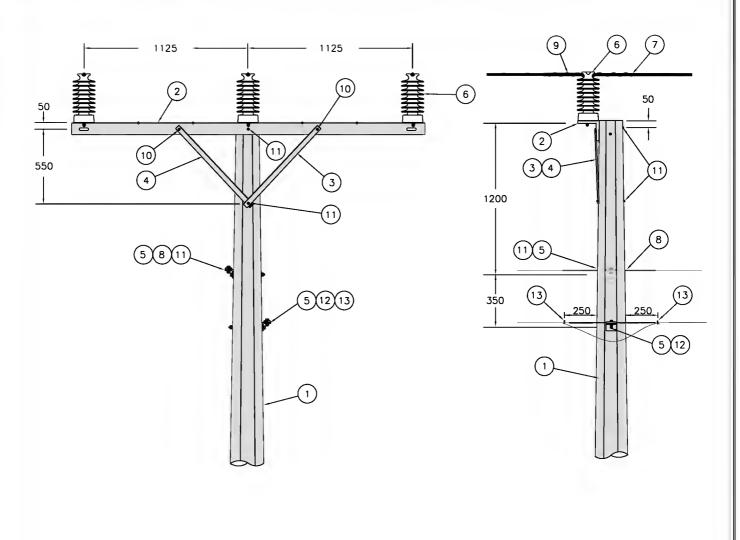
DRW.10-10B OC13S, 13M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)

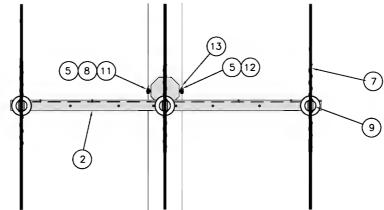


الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

	SDCS-01	
Dated:	07-03-2007G	





DRW.10-11 OC14S, 14M, COMPOSITE, S.C. INTERMEDIATE STRUCTURE, 0°-5°



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2	
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 35	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
13	2	Cable Tie	20-SDMS-02	Fig. 63	
14	1	Danger Sign Plate	20-SDMS-02	Fig.49	
15	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig.50	
16	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
17	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
18	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
19	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
20	1	Pole Numbering Plate	20-SDMS-02	Fig. 51	
	1				
		170.5mm2 ACSR/AW, MERLIN			

DRW.10-11A OC14S, 14M, COMPOSITE S.C. INTERMEDIATE STRUCTURE, 0°-5°



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SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION		REFERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4.2	
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Top Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 35	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
13	2	Cable Tie	20-SDMS-02	Fig. 63	
14	1	Danger Sign Plate	20-SDMS-02	Fig.49	
15	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig.50	
16	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
17	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
18	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
19	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
20	1	Pole Numbering Plates	20-SDMS-02	Fig. 51	
		67.44mm2 ACSR/AW, QUAIL			

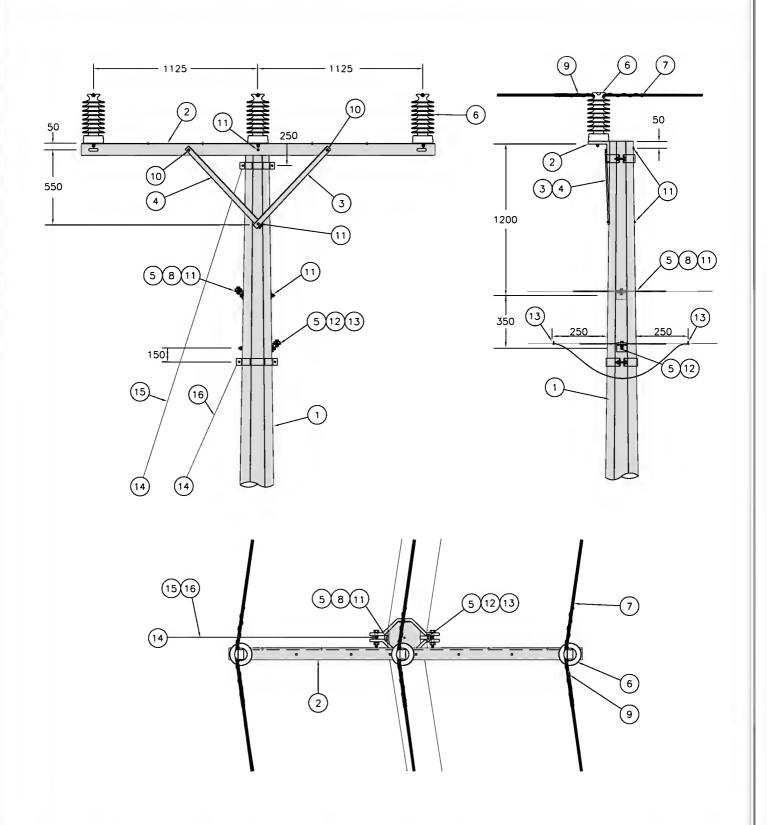
DRW.10-11B OC14S, 14M, COMPOSITE S.C. INTERMEDIATE STRUCTURE, 0°-5°



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

	SDCS-01
Dated:	07-03-2007G



DRW.10-12 OC14S, 14M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE 6°-15° W/M.V & L.V STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

07-03-2007G

SERIAL NO.	9TY BILL OF MATERIALS DESCRIPTION		REFEREN	ICES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
06	3	Line Post Insulator	15-SDMS-01	Clause 4
07	3 Set	Preformed Armour Rods For 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
09	3 Set	Preformed Line Post Insulator Side Tie for Merlin ACSR/AW With Armour	20-SDMS-02	Fig. 36
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
13	2	Cable Tie	20-SDMS-02	Fig. 63
14	1 Set	Composite One Stay Assembly with 16 & 19 mm Dia Turn Buckle	20-SDMS-02	Drw. 303
15	16M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
16	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
17	1	Danger Sign Plate	20-SDMS-02	Fig. 49
18	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
19	10M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13
20	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
21	1	Pole Numbering Plates	20-SDMS-02	Fig. 51
22	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
23	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
	-	170.5mm2 ACSR/AW, MERLIN		

DRW.10-12A OC14S, 14M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE, 6°-15°



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	1	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	1	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	1	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06	
06	3	Line Post Insulator	15-SDMS-01	Clause 4	
07	3 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
08	1 Set	Preformed Armour Rods For 67.44mm2 ACSR/AW, QUAIL	20-SDMS-02	Fig. 38	
09	3 Set	Preformed Line Post Insulator Side Tie for Quail ACSR/AW With Armour	20-SDMS-02	Fig. 36	
10	2	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
13	2	Cable Tie	20-SDMS-02	Fig. 63	
14	1 Set	Composite One Stay Assembly with 16 & 19 mm Dia Turn Buckle	20-SDMS-02	Drw. 30	
15	16M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)			
16	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)			
17	1	Danger Sign Plate	20-SDMS-02	Fig. 49	
18	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50	
19	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
20	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
21	1	Pole Numbering Plates	20-SDMS-02	Fig. 51	
22	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
23	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
	9				
	•	67.44mm2 ACSR/AW, QUAIL			

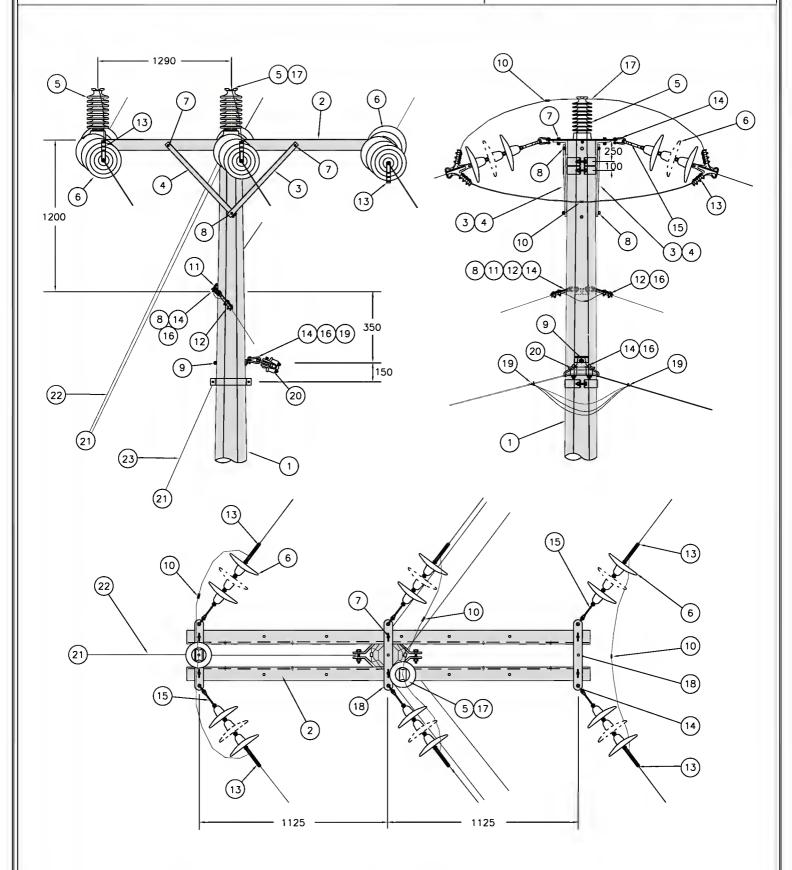
DRW.10-12B OC14S, 14M, COMPOSITE S.C. LIGHT ANGLE STRUCTURE, 6°-15°



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01
Dated: 07-03-2007G



DRW.10-13 OC14S, 14M, COMPOSITE, SINGLE CIRCUIT MEDIUM ANGLE STRUCTURE, 16°-60° W/M.V & L.V STAYS



الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES		
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	2	Line Post Insulator	15-SDMS-01	Clouse 4.2.8	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39	
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39	
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
14	9	Anchor Shockle	20-SDMS-02	Fig. 20	
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5	
17	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35	
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
19	2	Cable Tie	20-SDMS-02	Fig. 63	
20	1	Suspension Clamp for Quadruplex Messenger	20-SDMS-02	Fig. 31	
21	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304	
22	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)			
23	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)			
24	1	Danger Sign Plate	20-SDMS-02	Fig. 49	
25	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50	
26	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
27	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
28	10M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13	
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
30	1	Pole Numbering Plate	20-SDMS-02	Fig. 51	
<u></u>					
		170.5mm2 ACSR/AW, MERLIN			

DRW.10-13A OC14S,14M, COMPOSITE, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE,16°-60° W/M.V & L.V STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2			Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	9	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Cable Tie	20-SDMS-02	Fig. 63
20	1	Suspension Clamp for Quadruplex Messenger	20-SDMS-02	Fig. 31
21	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
22	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
23	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
24	1	Danger Sign Plate	20-SDMS-02	Fig. 49
25	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
26	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
27	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
28	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
30	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

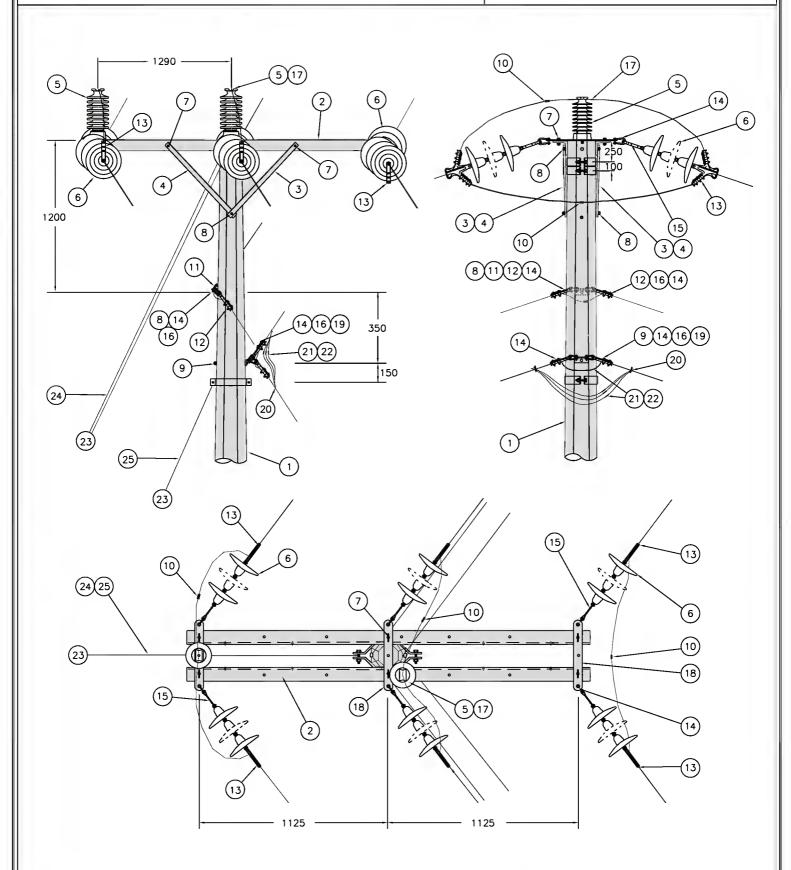
DRW.10-13B OC14S,14M, COMPOSITE, SINGLE CIRCUIT, MEDIUM ANGLE STRUCTURE,16°-60° W/M.V & L.V STAYS



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DRW.10-14 OC14S, 14M, COMPOSITE, SINGLE CIRCUIT HEAVY ANGLE STRUCTURE, 61°-90° W/M.V & L.V STAYS

29

30

31

32

2

10M

Stainless Steel Buckle Locking Clamp

Buckle Type, Locking Clip for Barbed Wire

Anti-Climbing Device, Barbed Wire

Pole Numbering Plate



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20-SDMS-02

20-SDMS-02

20-SDMS-02

20-SDMS-02

Fig. 55A

Fig. 13

Fig. 13A

Fig. 51

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	ENCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
80	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Merlin ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex Messenger	20-SDMS-02	Fig. 30
20	2	Cable Tie	20-SDMS-02	Fig. 63
21	4	Parallel Groove Comp. Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
22	3	Insulating cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
23	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
24	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
25	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
26	1	Danger Sign Plate	20-SDMS-02	Fig. 49
27	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
28	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55

DRW.10-14A OC14S,14M, COMPOSITE, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° W/TWO STAYS

170.5mm2 ACSR/AW, MERLIN



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SERIAL	QTY		BILL OF MATER	RIALS DESCRIPTI	ON		REFERENCES

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	2	Line Post Insulator	15-SDMS-01	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	10	Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
10	3	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
11	1	Parallel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	2	Preformed Line Post Insulator Top Tie for Quail ACSR/AW	20-SDMS-02	Fig. 35
18	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex Messenger	20-SDMS-02	Fig. 30
20	2	Cable Tie	20-SDMS-02	Fig. 63
21	4	Parallel Groove Comp. Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
22	3	Insulating cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
23	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
24	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
25	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
26	1	Danger Sign Plate	20-SDMS-02	Fig. 49
27	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
28	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
29	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1	Pole Numbering Plate	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

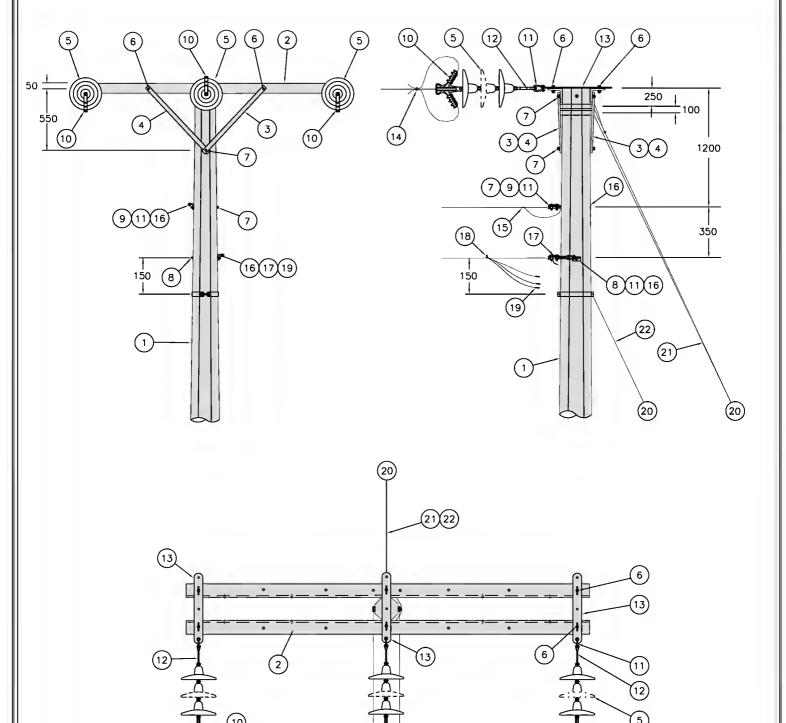
DRW.10-14B OC14S,14M, COMPOSITE, SINGLE CIRCUIT, HEAVY ANGLE STRUCTURE, 61°-90° W/TWO STAYS



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DRW.10-15 OC14S, 14M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
		Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
		Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	2	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer		15-SDMS-01	Poge 23	
06			20-SDMS-02	Fig. 15	
07			20-SDMS-02	Fig. 15	
08	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15	
09	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
10	3	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29	
11	5	Anchor Shackle	20-SDMS-02	Fig. 20	
12	3	Clevis Eye Extension	20-SDMS-02	Fig. 21	
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
14	3	Parallel Groove Clamp, Three Bolts Type for Merlin ACSR Conductor	20-SDMS-02	Fig. 39	
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39	
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5	
17	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30	
18	1	Cable Tie	20-SDMS-02	Fig. 63	
19	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40	
20	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304	
21	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)			
22	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)			
23	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49	
24	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50	
25	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
26	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
27	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	
			7.1		
		170.5mm2 ACSR/AW, MERLIN			

DRW.10-15A OC14S, 14M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 34
02	2	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	2	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	2	Brace - L 50x50x4x828mm L.G. With One End Clipped 20-SDMS-02		Fig. 04
05	3 Set	3 Set Suspension Insulator		Poge 23
06	10	10 Machine Bolt, M20x60mm W/1 Nut, 2 Flat Washers & 1 Sring Washer		Fig. 15
07	3	Machine Bolt, M20x225mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
08	1	Machine Bolt, M20x265mm W/1 Nut, 2 Flat Washers & 1 Spring Washer	20-SDMS-02	Fig. 15
09	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
10	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
11	5	Anchor Shackle	20-SDMS-02	Fig. 20
12	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
13	3	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
14	3	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39
15	1	Parallel Groove Clamp, Two Bolts Type for Quail ACSR Conductor	20-SDMS-02	Fig. 39
16	2	Earth Wire Suspension Support	20-SDMS-02	Fig. 5
17	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
18	1	Cable Tie	20-SDMS-02	Fig. 63
19	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
20	1 Set	Composite Two Stay Assembly with 16 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 304
21	32M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
22	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
23	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
24	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
25	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
26	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
27	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
28	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
29	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-15B OC14S, 14M, COMPOSITE, SINGLE CIRCUIT, TERMINAL STRUCTURE WITH M.V & L.V STAYS



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DRW.10-16 OC14S, 14M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS



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SERIAL QTY		BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
1 1	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	6	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	10	Anchor Shackle	20-SDMS-02	Fig. 20
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21
16	4	Earthwire Suspension Support	20-SDMS-02	Fig. 5
17	3	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
20	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
21	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap-Off	20-SDMS-02	Drw. 304
25	2 Set	M.V — S.C One Stay Assembly	20-SDMS-02	Drw. 305
26	61M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)		
27	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)		
28	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
29	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
32	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
33	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
34	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-16A OC14S, 14M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS



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SERIAL QTY		BILL OF MATERIALS DESCRIPTION	REFERE	FERENCES	
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35	
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01	
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04	
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04	
05	3	Line Post Insulator	15-SDMS-01	Clause 4.2.	
06	6 Set	Suspension Insulator	15-SDMS-01	Page 23	
07	3	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39	
08	1	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39	
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15	
12	2	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30	
13	6	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29	
14	10	Anchor Shackle	20-SDMS-02	Fig. 20	
15	6	Clevis Eye Extension	20-SDMS-02	Fig. 21	
16	4	Earthwire Suspension Support	20-SDMS-02	Fig. 5	
17	3	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35	
18	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7	
19	2	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30	
20	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39	
21	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40	
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53	
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54	
24	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap—Off	20-SDMS-02	Drw. 304	
25	2 Set	M.V — S.C One Stay Assembly	20-SDMS-02	Drw. 305	
26	61M	Stay Wire 7/4, 12mm Dia. HDG Steel UTS 101kN (Min.)			
27	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel UTS 65kN (Min.)			
28	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49	
29	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50	
30	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13	
31	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A	
32	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55	
33	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A	
34	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51	

DRW.10-16B OC14S, 14M, COMPOSITE, S.C. DOUBLE TERMINAL AT 90° STRUCTURE WITH M.V & L.V STAYS

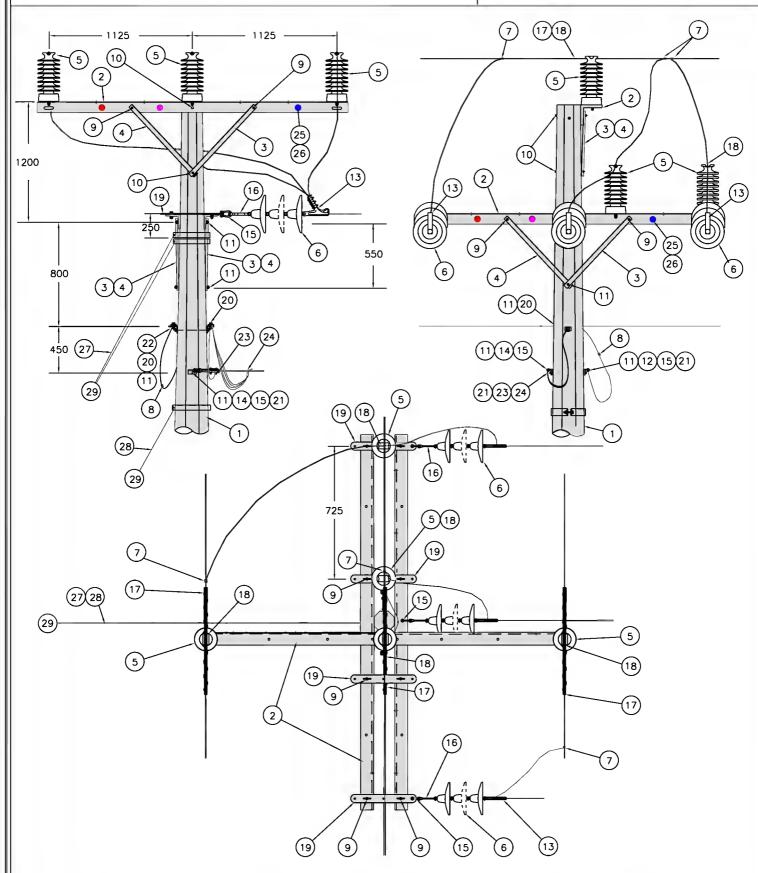


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DRW.10-17 OC14S,14M, S.C COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS



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01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	29М	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap—Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		-

DRW.10-17A OC14S, 14M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	NCES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Merlin With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap—Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10М	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-17B OC14S,14M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
18a	3	Preformed Line Post Insulator Top Tie for Quail With Armour	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
21	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
22	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
23	4	Parallel Groove Compression Connector for 120mm2 Quadruplex Messenger	20-SDMS-02	Fig. 39
24	3	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
25	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
26	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
27	29M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
28	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
29	1 Set	Composite Two Stay Assembly for Double Terminal & IMP Tap—Off	20-SDMS-02	Drw. 301
30	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
31	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
32	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
33	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
34	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
35	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
36	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		-

DRW.10-17C OC14S, 14M, S.C. COMPOSITE TAP-OFF ON INTERMEDIATE 0°-5° STRUCTURE WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF

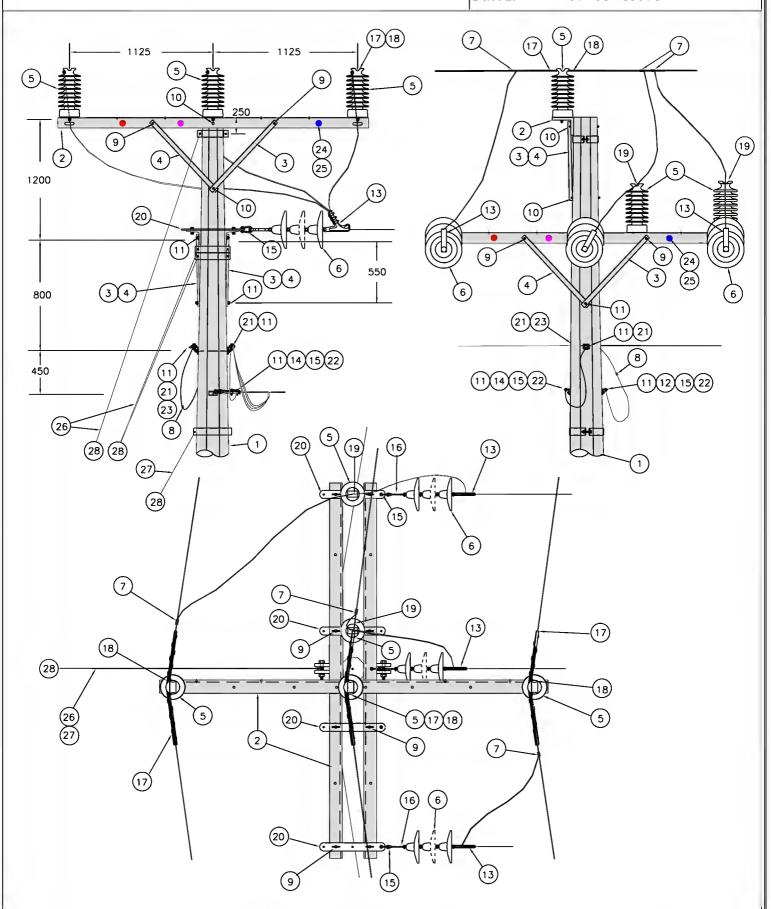


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DRW.10-18 OC14S,14M S.C COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS



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01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16,19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-18A OC14S, 14M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clause 4.2
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Merlin—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Strain Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 170.5mm2 ACSR/AW (Merlin)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Merlin With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16, 19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		MERLIN MAIN & QUAIL TAP-OFF		3. 2.

DRW.10-18B OC14S, 14M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	3	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	3	Brace - L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	3	Brace - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	5	Line Post Insulator	15-SDMS-01	Clouse 4.2.8
06	3 Set	Suspension Insulator	15-SDMS-01	Page 23
07	3	Parallel Groove Compression Connector for Quail—Quail	20-SDMS-02	Fig. 39
08	1	Parallel Groove Compression Connector for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 39
09	14	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	1	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	3	Stroin Clamp, 3 U-Bolts Type for Quail	20-SDMS-02	Fig. 29
14	1	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	5	Anchor Shackle	20-SDMS-02	Fig. 20
16	3	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	3 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
18	3	Preformed Line Post Insulator Side Tie for Quail With Armour	20-SDMS-02	Fig. 36
19	2	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
20	4	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
21	2	Earthwire Support Assembly	20-SDMS-02	Fig. 06
22	2	Earthwire Suspension Support	20-SDMS-02	Fig. 05
23	1 Set	Preformed Armoured Rods for 67.44mm2 ACSR/AW (Quail)	20-SDMS-02	Fig. 38
24	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
25	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
26	45M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
27	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
28	1 Set	Composite Three Stay Assembly with 16,19 & 24mm Dia Turn Buckle	20-SDMS-02	Drw. 300
29	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
30	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
31	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
32	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13A
33	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
34	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
35	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

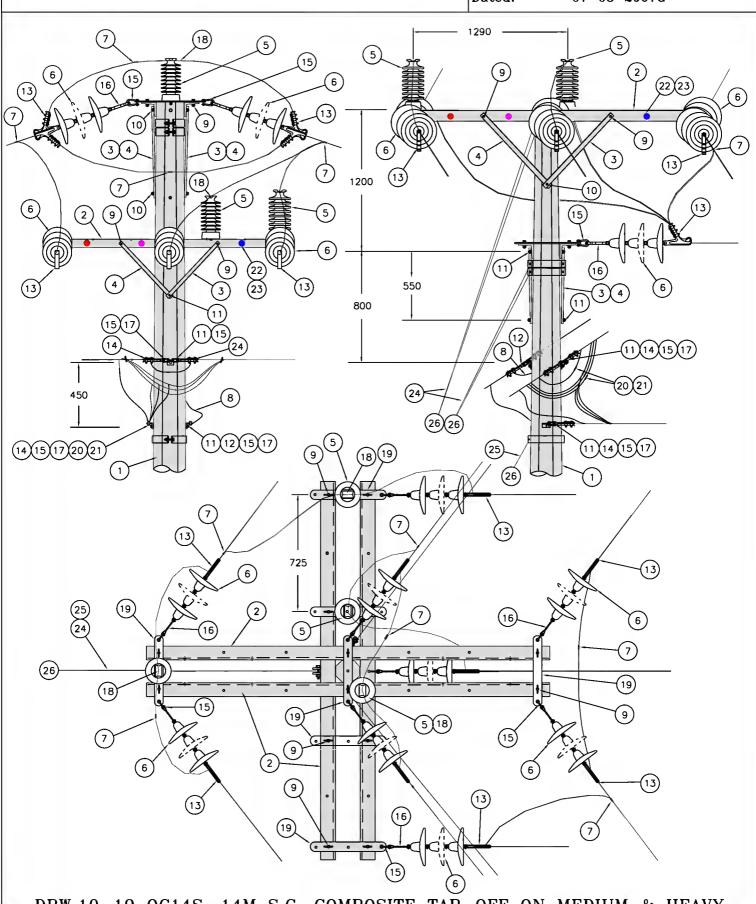
DRW.10-18C OC14S, 14M, S.C. COMPOSITE TAP-OFF ON LIGHT ANGLE 6°-15° STRUCTURE WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



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DRW.10-19 OC14S, 14M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY 16°-90° ANGLE STRUCTURE WITH STAYS



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm — L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clouse 4
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Merlin—Merlin	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	3	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	15	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	4	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	4	Preformed Line Post Insulator Top Tie for Merlin	20-SDMS-02	Fig. 35
19	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 07
20	8	Parallel Groove Compression Connector for 120mm2 Quad. Messenger	20-SDMS-02	Fig. 39
21	6	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
26	1 Set	Composite Three Stay Assembly with 16&24 Turn Buckle	20-SDMS-02	Drw. 30
27	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
28	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
29	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
32	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
33	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
		170.5mm2 ACSR/AW, MERLIN		

DRW.10-19A OC14S, 14M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & MERLIN TAP-OFF



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Dated: 07-03-2007G

SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	CES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossorm – L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Broce - L 50x50x4x828mm L.G.	20-S0MS-02	Fig. 04
04	4	Broce - L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulotor	15-SDMS-01	Clause 4
06	9 Set	Suspension Insulotor	15-SDMS-01	Page 23
070	3	Porollel Groove Compression Connector for Merlin — Merlin	20-SDMS-02	Fig. 39
07b	3	Porollel Groove Compression Connector for Merlin – Quoil	20-SDMS-02	Fig. 39
08	2	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-S0MS-02	Fig. 39
09	22	Mochine Bolt, M20x60mm With Nut, 2 Flot Wosher & 1 Spring Wosher	20-SDMS-02	Fig. 15
10	2	Mochine Bolt, M20x225mm With Nut, 2 Flot Wosher & 1 Spring Wosher	20-SDMS-02	Fig. 15
11	4	Mochine Bolt, M20x265mm With Nut, 2 Flot Wosher & 1 Spring Wosher	20-S0MS-02	Fig. 15
12	3	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-SDMS-02	Fig. 30
130	6	Stroin Clomp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
13b	3	Stroin Clomp, 3 U-Bolts Type for Quoil	20-SDMS-02	Fig. 29
14	3	Stroin Clomp, Stroight Line Deodend Type for Quodruplex	20-SDMS-02	Fig. 30
15	15	Anchor Shockle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	4	Eorthwire Suspension Support	20-SDMS-02	Fig. 05
18o	2	Preformed Line Post Insulotor Top Tie for Merlin	20-SDMS-02	Fig. 35
18b	2	Preformed Line Post Insulotor Top Tie for Quoil	20-SDMS-02	Fig. 35
19	7	Double Arming Plote, 100x12x700mm	20-SDMS-02	Fig. 07
20	8	Porollel Groove Compression Connector for 120mm² Quod. Messenger	20-S0MS-02	Fig. 39
21	6	Insuloting Cop for Quodruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phosing Plotes (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	61M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
25	13M	Stoy Wire 7/3.25, 9.8mm Dio. HDG Steel, UTS 65kN (Min)		_
26	1 Set	Composite Three Stoy Assembly with 16&24 Turn Buckle	20-S0MS-02	Drw. 304
27	1 Set	Donger Sign Plote	20-SDMS-02	Fig. 49
28	1	Donger Sign Mounting Brocket	20-S0MS-02	Fig. 50
29	10M	Anti-Climbing Device, Borbed Wire	20-SDMS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Borbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stoinless Steel Strop	20-SDMS-02	Fig. 55
32	2	Stoinless Steel Buckle Locking Clomp	20-SDMS-02	Fig. 55A
33	1 Set	Pole Numbering Plotes	20-SDMS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		<u> </u>

DRW.10-19B OC14S, 14M S.C. COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR MERLIN MAIN & QUAIL TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFEREN	ICES
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	4	Crossarm - L 100x100x12x2400mm L.G.	20-SDMS-02	Fig. 01
03	4	Brace — L 50x50x4x828mm L.G.	20-SDMS-02	Fig. 04
04	4	Brace — L 50x50x4x828mm L.G. With One End Clipped	20-SDMS-02	Fig. 04
05	4	Line Post Insulator	15-SDMS-01	Clouse 4.2
06	9 Set	Suspension Insulator	15-SDMS-01	Page 23
07	6	Parallel Groove Compression Connector for Quail — Quail	20-SDMS-02	Fig. 39
08	2	Parallel Groove Compression Connector for Quail	20-SDMS-02	Fig. 39
09	22	Machine Bolt, M20x60mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
10	2	Machine Bolt, M20x225mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
11	4	Machine Bolt, M20x265mm With Nut, 2 Flat Washer & 1 Spring Washer	20-SDMS-02	Fig. 15
12	3	Strain Clamp, Straight Line Deadend Type for Quail	20-SDMS-02	Fig. 30
13	9	Strain Clamp, 3 U—Bolts Type for Quail	20-SDMS-02	Fig. 29
14	3	Strain Clamp, Straight Line Deadend Type for Quadruplex	20-SDMS-02	Fig. 30
15	15	Anchor Shackle	20-SDMS-02	Fig. 20
16	9	Clevis Eye Extension	20-SDMS-02	Fig. 21
17	4	Earthwire Suspension Support	20-SDMS-02	Fig. 05
18	4	Preformed Line Post Insulator Top Tie for Quail	20-SDMS-02	Fig. 35
19	7	Double Arming Plate, 100x12x700mm	20-SDMS-02	Fig. 7
20	8	Parallel Groove Compression Connector for 120mm² Quad. Messenger	20-SDMS-02	Fig. 39
21	6	Insulating Cap for Quadruplex Messenger	20-SDMS-02	Fig. 40
22	2 Set	Phasing Plates (A,B,C)	20-SDMS-02	Fig. 53
23	6	Phasing Plate Mounting Bracket	20-SDMS-02	Fig. 54
24	61M	Stay Wire 7/4, 12mm Dia. HDG Steel, UTS 101kN (Min)		
25	13M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
26	1 Set	Composite Three Stay Assembly with 16&24 Turn Buckle	20-SDMS-02	Drw. 304
27	1 Set	Danger Sign Plate	20-SDMS-02	Fig. 49
28	1	Danger Sign Mounting Bracket	20-SDMS-02	Fig. 50
29	10M	Anti-Climbing Device, Barbed Wire	20-SDMS-02	Fig. 13
30	2	Buckle Type, Locking Clip for Barbed Wire	20-SDMS-02	Fig. 13
31	1.4M	Stainless Steel Strap	20-SDMS-02	Fig. 55
32	2	Stainless Steel Buckle Locking Clamp	20-SDMS-02	Fig. 55A
33	1 Set	Pole Numbering Plates	20-SDMS-02	Fig. 51
<u> </u>		67.44mm2 ACSR/AW, QUAIL		

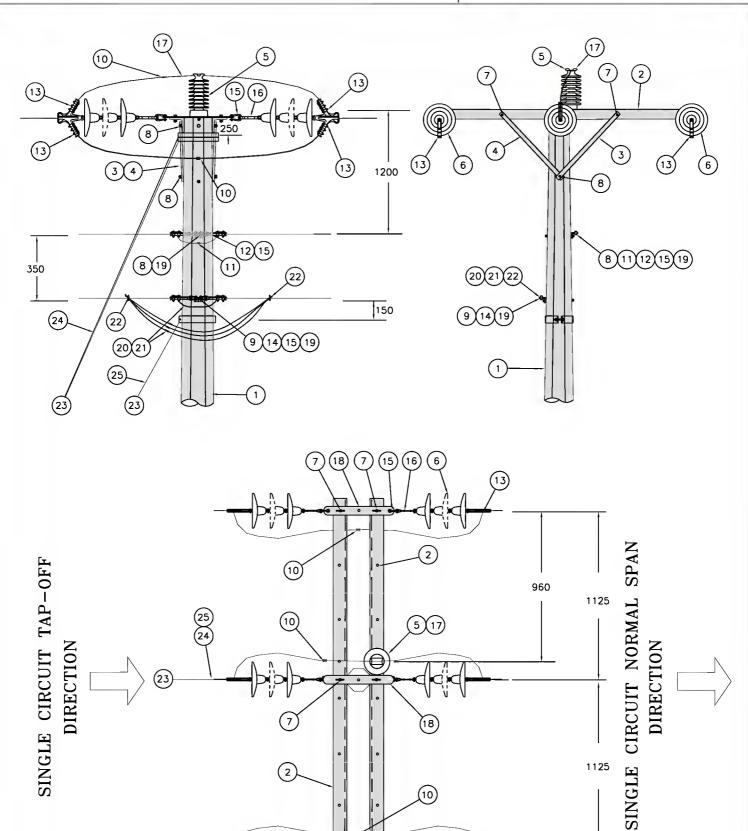
DRW.10-19C OC14S, 14M S.C COMPOSITE TAP-OFF ON MEDIUM & HEAVY ANGLE 16°-90° WITH STAYS FOR QUAIL MAIN & QUAIL TAP-OFF



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DRW.10-20 OC14S, 14M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERE	NCES
01	1	OC14S - 14 Meter Steel Pole, HDG, Single Circuit	20-S0MS-01	Page 35
02	2	Crossorm – L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce — L 50x50x4x828mm L.G.	20-S0MS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-S0MS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clouse 4.2
06	6 Set	Suspension Insulotor	15-S0MS-01	Page 23
07	10	Mochine Bolt, M20x60mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	3	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	1	Mochine Bolt, M20x265mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
10	3	Porollel Groove Comp. Connector for 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 39
11	1	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-S0MS-02	Fig. 39
12	2	Stroin Clomp, Stroight Line Deodend Type for Quoil	20-S0MS-02	Fig. 30
13	6	Stroin Clomp, 3 U-Bolts Type for Merlin	20-SDMS-02	Fig. 29
14	2	Stroin Clomp, Stroight Line Deodend Type for Quodruplex	20-S0MS-02	Fig. 30
15	10	Anchor Shockle	20-S0MS-02	Fig. 20
16	6	Clevis Eye Extension	20-S0MS-02	Fig. 21
17	1	Preformed Line Post Insulotor Top Tie For 170.5mm2 ACSR/AW (Merlin)	20-S0MS-02	Fig. 35
18	3	Double Arming Plote, 100x12x700mm	20-S0MS-02	Fig. 07
19	2	Eorthwire Suspension Support	20-S0MS-02	Fig. 05
20	4	Porollel Groove Compression Connector for 120mm2 Quod. Messenger	20-SDMS-02	Fig. 39
21	3	Insuloting Cop for Quodruplex Messenger	20-S0MS-02	Fig. 40
22	2	Coble Tie	20-S0MS-02	Fig. 63
23	1 Set	Composite Two Stoy Assembly with 16 & 24mm Dio Turn Buckle	20-S0MS-02	0rw. 301
24	32M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
25	14M	Stoy Wire 7/3.25, 9.8mm Dio. HDG Steel, UTS 65kN (Min)		
26	1 Set	Donger Sign Plote	20-S0MS-02	Fig. 49
27	1	Donger Sign Mounting Brocket	20-SDMS-02	Fig. 50
28	10M	Anti-Climbing Device, Borbed Wire	20-S0MS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Borbed Wire	20-S0MS-02	Fig. 13
30	1.4M	Stoinless Steel Strop	20-S0MS-02	Fig. 55
31	2	Stoinless Steel Buckle Locking Clomp	20-S0MS-02	Fig. 55A
32	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
	1	170.5mm2 ACSR/AW, MERLIN		

DRW.10-20A OC14S, 14M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (MERLIN MAIN)



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SERIAL NO.	QTY	BILL OF MATERIALS DESCRIPTION	REFERENCES	
01	1	OC14S — 14 Meter Steel Pole, HDG, Single Circuit	20-SDMS-01	Page 35
02	2	Crassarm - L 100x100x12x2400mm L.G.	20-S0MS-02	Fig. 01
03	2	Broce – L 50x50x4x828mm L.G.	20-S0MS-02	Fig. 04
04	2	Broce — L 50x50x4x828mm L.G. With One End Clipped	20-S0MS-02	Fig. 04
05	1	Line Post Insulotor	15-S0MS-01	Clouse 4.2
06	6 Set	Suspension Insulotor	15-S0MS-01	Page 23
07	10	Machine Balt, M20x60mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
08	3	Mochine Bolt, M20x225mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
09	1	Mochine Bolt, M20x265mm W/1 Nut, 2 Flot Woshers & 1 Spring Wosher	20-S0MS-02	Fig. 15
10	3	Porollel Groove Comp. Connector for 67.44mm ACSR/AW (Quoil)	20-S0MS-02	Fig. 39
11	1	Porollel Groove Comp. Connector for 67.44mm2 ACSR/AW (Quoil)	20-SDMS-02	Fig. 39
12	2	Stroin Clomp, Straight Line Deodend Type far Quoil	20-SDMS-02	Fig. 30
13	6	Stroin Clomp, 3 U-Bolts Type for Quoil	20-S0MS-02	Fig. 29
14	2	Stroin Clomp, Stroight Line Deodend Type for Quodruplex	20-S0MS-02	Fig. 30
15	10	Anchor Shockle	20-SDMS-02	Fig. 20
16	6	Clevis Eye Extension	20-S0MS-02	Fig. 21
17	1	Preformed Line Post Insulotor Top Tie For 67.44mm ACSR/AW (Quoil)	20-S0MS-02	Fig. 35
18	3	Double Arming Plote, 100x12x700mm	20-S0MS-02	Fig. 07
19	2	Eorthwire Suspension Support	20-S0MS-02	Fig. 05
20	4	Parollel Graove Campression Cannector far 120mm2 Quad. Messenger	20-SDMS-02	Fig. 39
21	3	Insuloting Cop for Quodruplex Messenger	20-S0MS-02	Fig. 40
22	2	Coble Tie	20-S0MS-02	Fig. 63
23	1 Set	Composite Two Stoy Assembly with 16 & 24mm Dio Turn Buckle	20-S0MS-02	Orw. 301
24	32M	Stoy Wire 7/4, 12mm Dio. HDG Steel, UTS 101kN (Min)		
25	14M	Stay Wire 7/3.25, 9.8mm Dia. HDG Steel, UTS 65kN (Min)		
26	1 Set	Donger Sign Plote	20-S0MS-02	Fig. 49
27	1	Donger Sign Mounting Brocket	20-SDMS-02	Fig. 50
28	10M	Anti-Climbing Device, Borbed Wire	20-S0MS-02	Fig. 13
29	2	Buckle Type, Locking Clip for Borbed Wire	20-S0MS-02	Fig. 13
30	1.4M	Stainless Steel Strop	20-S0MS-02	Fig. 55
31	2	Stoinless Steel Buckle Locking Clomp	20-S0MS-02	Fig. 55A
32	1 Set	Pole Numbering Plotes	20-S0MS-02	Fig. 51
		67.44mm2 ACSR/AW, QUAIL		

DRW.10-20B OC14S, 14M SINGLE CIRCUIT, COMPOSITE SLACK POLE STRUCTURE WITH STAYS FROM SINGLE CIRCUIT TAP-OFF (QUAIL MAIN)